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M.P.L.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Robert A. Sanderson, et al.
Serial No. : 09/696,139
Filed : October 25, 2000
Title : PISTON ENGINE ASSEMBLY

Art Unit : 3747
Examiner : Kamen

Commissioner for Patents
Washington, D.C. 20231

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RESPONSE

In response to the action mailed May 22, 2002, please amend the application as follows.

In the claims:

Cancel claims 46, 73 and 76, without prejudice.

Sub E17 45. (Amended) A piston assembly, comprising:
a double ended member having first and second elements configured for linear motion along a common axis, at least one of the first and second elements being a piston,
a transition arm coupled to a stationary support, the transition arm including a drive arm coupled to the double ended member by a joint positioned between the first and second elements, the joint including
an outer member configured for movement relative to the first and second elements, the outer member defining an opening for receiving the drive arm, and
an inner member mounted within the outer member for movement relative to the outer member, the inner member defining an opening for receiving the drive arm, and
a universal joint connecting the transition arm to the stationary support by two pins to permit pivoting motion about two axes.

Sub E17 72. (Amended) A piston assembly, comprising:
a plurality of double ended members, each double ended member having first and second elements configured for linear motion along a common axis, at least one of the first and second elements being a piston,
a transition arm coupled to a stationary support, the transition arm including a plurality of drive arms, each drive arm defining a drive arm axis, and

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